

BX51100

Safe and Reliable · Higher Efficiency · Floor and Wall-mounted · Flexible Expansion

Dyness BX51100 adopts economic design, tailored for residential and light commercial applications.



Expandable

30 modules in parallel with capacity up to 153.6 kWh



Larger Energy Capacity

5.12kWh per unit



Wide Temperature Range

Range of -20~55 °C



High Safety

Cell level monitoring and balancing



Various Installation Options

Floor-standing, wall-mounted and stack



Wide Compatibility

Matching with leading inverter brands

Technical Specifications

Model	BX51100
Battery Type	LiFePO4
Nominal Battery Energy	5.12 kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8 ~ 57.6V
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Continous Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A (15s)
Depth of Discharge (DOD)	95%
Net Weight	53kg
Dimension[W*D*H]	558*545*150mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life ^[1]	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 30 units in parallel
Color	White
Alarms	Overcharge/Overdischarge/Overcurrent/Overtemperature/Short Circuit
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3
Compatible inverters	Goodwe/Victron/Imeon/Solis/Luxpower/Growatt /GMDE/Sofar/Voltronic/Deye, etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD